

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-7. (cancelled)

8. (currently amended) A receiver for an angle-modulated optical signal having an associated a light frequency, ~~which is injected into an optical resonator, wherein and an associated bit rate, comprising:~~

~~an~~ the optical resonator tuned to the frequency of the optical signal and to a storage time of approximately half of one bit duration; ~~is preceded by an optical coupling-out device for reflected light from the optical resonator, wherein~~

~~an~~ the optical coupling-out device preceding the optical resonator and designed for injecting is followed by an opto-electric transducer, and wherein, to determine a phase of the optical signal into the optical resonator and for coupling out reflected light from the optical resonator; and has a resonance frequency which is tuned to the light frequency

an opto-electrical transducer receiving the reflected light and converting it into an electrical signal.

9. (previously presented) The receiver according to Claim 8, wherein the optical resonator is a Fabry-Perot resonator.

10. (previously presented) The receiver according to Claim 8, wherein the optical coupling-out device comprises a circulator connected preceding the optical resonator and whose output is connected to the opto-electric transducer.

11. (previously presented) The receiver according to Claim 9, wherein the optical coupling-out device comprises a circulator connected preceding the optical resonator and whose output is connected to the opto-electric transducer.

12. (previously presented) The receiver according to Claim 8, wherein the optical coupling-out device comprises a polarization beam splitter with a following polarization plate so that the angle-modulated optical signal and the reflected light have different polarizations which can be separated by the polarization beam splitter.

13. (previously presented) The receiver according to Claim 9, wherein the optical coupling-out device comprises a polarization beam splitter with a following polarization plate so that the angle-modulated optical signal and the reflected light have different polarizations which can be separated by the polarization beam splitter.

14. (currently amended) The receiver according to Claim 8, wherein a second opto-electric transducer is arranged downstream of~~connected following~~ the optical resonator receiving non-reflected light and outputting a complementary signal ~~in order to increase the sensitivity at of the receiver first opto-electric transducer.~~

15. (canceled)

16. (canceled)

17. (canceled)

18. (previously presented) The receiver according to Claim 8, further comprising a coding for assigning a phase variation by the light reflected and as the case may be transmitted by the optical resonator.

19. (canceled)

20. (canceled)

21. (canceled)

22. (canceled)

23. (previously presented) A receiver for an angle-modulated optical signal having a light frequency, the receiver comprising:

an optical resonator fed by the angle-modulated optical signal;

an optical uncoupling mechanism arranged upstream of the optical resonator for light reflected from the optical resonator; and

an opto-electric converter arranged downstream of the optical uncoupling mechanism, wherein

the optical resonator has a resonance frequency adjusted to the light frequency for determining a phase of the optical signal.

24. (previously presented) The receiver according to Claim 23, wherein the optical resonator is a Fabry-Perot resonator.

25. (previously presented) The receiver according to Claim 23, wherein the optical uncoupling mechanism comprises a circulator arranged upstream of the optical resonator, and wherein an output of the circulator is connected to the opto-electric converter.

26. (previously presented) The receiver according to Claim 23, wherein the optical uncoupling mechanism comprises a polarization beam splitter with a following polarization plate so that the angle-modulated optical signal and the reflected light have different polarizations which can be separated by the polarization beam splitter.

27. (previously presented) The receiver according to Claim 23, further comprising a second opto-electric converter arranged downstream of the optical resonator for increasing sensitivity.